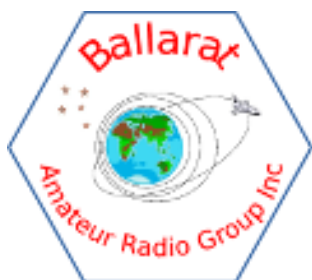




JUNE 24-25 2023 WINTER VHF- UHF Field Day.



0100 UTC Saturday 24 to 0059 UTC Sunday 25



BARG News

Ballarat Amateur Radio Group

Inc. #6953T

May 2023 Monthly Newsletter



Next Meeting
11:00am, Saturday 27th May 2023

At the Airport

All Welcome



Contacting us

You can e-mail the secretary.

vk3bml@barg.org.au

We're on the web

www.barg.org.au

https://twitter.com/vk3_barg

<https://www.facebook.com/groups/VK3BML/>

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Times and dates of nets as per below

Club Nets: VHF NET: Every Tuesday Night at 8 pm on 146.750 MHz - VK3RBA

HF NET: Every Thursday Night at 8 pm on 3.608 MHz - VK3BML

6m NET: Every Tuesday Night at 8:30 pm on 53.650Mhz RX / 52.650Mhz TX - FM
with a 91.5 tone - VK3RWU

LINKED REPEATERS: *The local VK3RBA-70cm repeater on Mt Buninyong is part of a network of linked repeaters covering North-Western Victoria.*

Access details for this repeater have recently changed.

For full details of this linked network and access details

see <https://www.qrz.com/lookup/vk3rba>

You can listen to the system live <http://vk3rba.dyndns.org:441/>

This linked system may be accessed via IRLP node 9503.

BARG inc. OFFICE BEARERS

President	Ben Daniel VK3NRD	Ordinary Member	Tom George VK3DMK
Vice President	Colin Consiglio VK3NCC	Ordinary Member	Colin Consiglio VK3NCC
Secretary	Mal White VK3OAK	Ordinary Member	Doug Ellery VK3DRE
Treasurer	Chris Huggins VK3QY	Ordinary Member	David Martin VK3KQT

New Dates and Times Of BARG General Meetings

As most may be aware Airport Road is now closed till at least the 10th of June and the alternate route being some 5 km more and no lights at night.

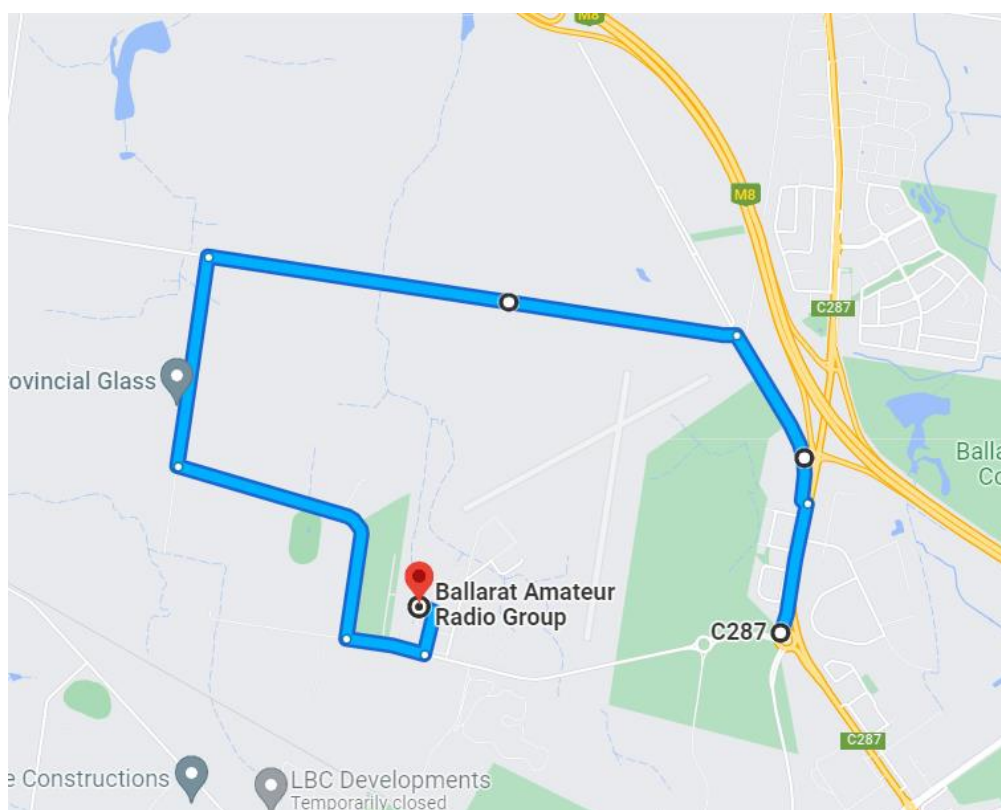
It was decided amongst the Committee that we move the general meetings to a daytime meeting on a Saturday at 11am as of the April meeting for at least the next 3 months.

This will be assessed again at the June meeting and if Airport Road has not re-opened the Saturday meetings will continue.

The meeting dates for the next 2 months are as follows:

May 27th at 11 am

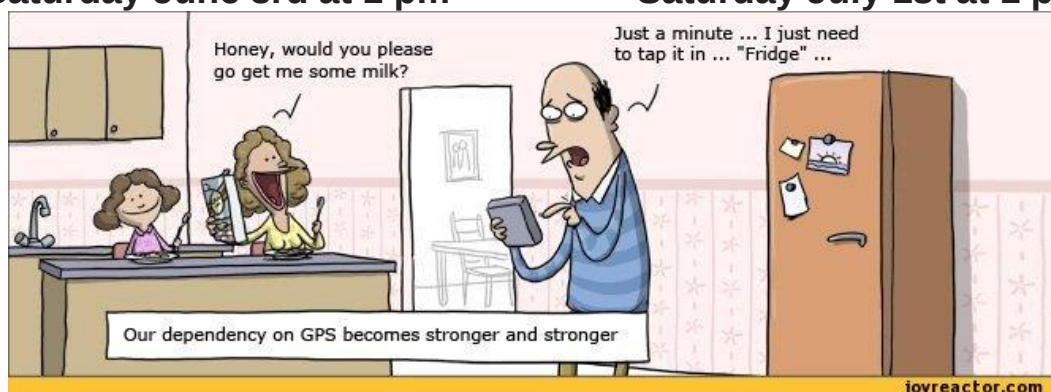
June 24th at 11 am



Construction sessions/days have also been changed to the next two dates:

Saturday June 3rd at 1 pm

Saturday July 1st at 1 pm





President's Report May 2023



I can open this by saying that the bees we had a problem with are now no longer and have been removed.

Constructions meetings - For the first Saturday meeting there was a significant turn out of members to this the trial will continue and may become a permanent on the First Saturday of the month. There is somewhere in this newsletter a list of things for Construction events, but you can always bring your own thing to do.

General meetings - it was decided at the April meeting to keep the General Meetings on a Saturday and review at the September meeting.

A date has been set for the George Fowler Auction; it may be already in the newsletter this month. But I will announce it at the May general meeting. The existing items that have already been brought out are to be sorted over the next couple of Construction Days and the items suitable for the George Fowler Auction and move the items to the shed to allow for some space in the clubrooms.



Any items not suitable for the Auction will be left on a table for members to take if they want to use or to assist with the disposal of it more on this at the general meeting as well.

Update on the IRLP/Echolink node on RWA. This is now at a loss as the moment we get it going again it subsequently fails. Committee has discussed replacing this as soon as we can, but it is going to take a bit of time to do for those that are regular listeners to the WIA news on Sunday or Tuesday you will need to go to the WIA's Website to get it. Conversion of the current node to an AllStar Node has been suggested.

I wrote in my report in the January newsletter that we had had some issues with a Melbourne based operator and an alleged pirate in Ballarat, well last Saturday we had another occurrence. Some may have seen the Facebook post to our Group that was removed only a few minutes after the post was approved, due to a developing argument in the comments. The alleged pirate may not be even located in Ballarat as a few operators heard only one side of the conversation on Saturday night and it was not this so-called pirate.

The Melbourne based operator on Saturday night has been banned from our Facebook group now.

Meeting is on the 27th of May at 11 am with BBQ lunch all are welcome. Just remember that Airport Rd is still closed at present as far as I know.

73's VK3NRD Ben.

Construction Afternoon Activities

BARG CONSTRUCTION AFTERNOON SATURDAY 3RD JUNE 2023 AT 1:00PM

Typically, "construction" projects have centred on projects for use by individual members. Members come together learning and supporting each other to build the same device.

Below is a list of recent ideas garnered from meetings. Some will require a lot more "fleshing out" to clarify the goal.

- Ground penetrating Radar. (*Could we name the activity after Reg/CAZ?*)
- Radio Telescope.
- Satellite Tracking Antenna (*used with schools to show possibilities of ISS comms*)
- Tape Measure Directional Antenna.
- Research "commercial" kit availability that would be useful and easy for club assembly.
- FlowerPot Antennae.
- Z-Match.
- Widget (*a small, unspecified useful gadget or device*).
- TUIT (*A circular token that serves as a reminder to do what you've said you'll do when you get around to it*).
- Fox Hunting- (*Foxes, tools for fox hunting*).
- Arduino based SDR transceiver.



Would any of the activities listed kindle the amateur spirit and entice you to be involved with the BARG Construction events?

Is there something else that would be more attractive to you, and perhaps others? Don't keep the ideas to yourself. Let the committee know and we can put it onto the list for further discussion with members.



Can anybody advise the last time a soldering iron was turned on in the workshop?

On behalf of the BARG committee.

VHF and Above for May 2023



With the colder weather starting to arrive there's not a lot to report regarding activity on the VHF and above bands.

6 metres and 2 metres activity has declined quite a lot as the colder weather rolls in but there is still some sporadic activity into all parts of the globe on 6mx.

However, there is still meteor scatter to be had each weekend on both 6 and 2 on frequencies 50.230 and 144.230 using a program called MSHV. Each station transmits for 15 seconds then listens for 15 seconds with stations in VK3 txing in the 1st and 3rd quarters of each minute.



High power or large antennas are not needed to take part ie I use the 5 element 6m club project antenna and 100 watts with quite good success. A couple of weeks back there was good activity due to a dust trail from Halley's comet resulting in more contacts being made.

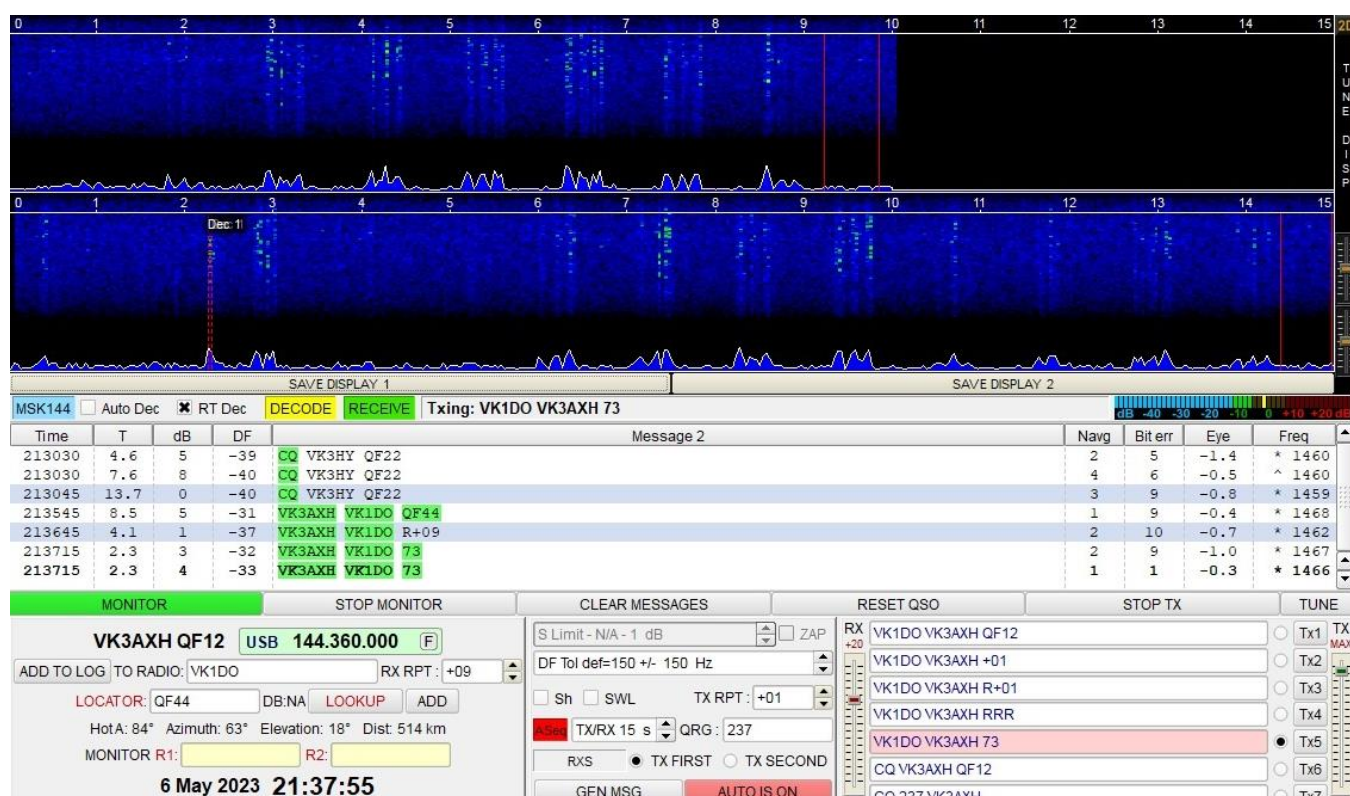
This activity takes place on Saturday and Sunday mornings usually before sunrise. In my case I come into the shack around 7am but contacts can still be made as the sun rises.

Local stations known to be active are VK3KQT, VK3TXR, VK3ZAZ and VK3AXH. There may be others as well.

Below is a screen grab from David VK3KQT which shows paths from all parts of VK for 6mx. You can see this info from postings on VKSPOTTER and the chit chat that takes place as well.



In addition there is an image of a completed qso between VK1DO in Canberra and VK3AXH in Ballarat on the 6m band.



If you require any additional information, please contact any of the above stations if required. This hobby is about experimenting and having a go so why not join in the fun.

Till next time 73 de VK3AXH

ITS ON AGAIN:



THE GEORGE FOWLER MEMORIAL AUCTION

Saturday 16th September 2023
BARG CLUB ROOMS
BALLARAT AIRPORT

More information as the auction draws closer, hope to see you there.
 See President's Report this issue.



DON'T FORGET COMING UP

JUNE 24-25 WINTER VHF-UHF Field Day.

0100 UTC Saturday 24 to 0059 UTC Sunday 25
BUT in VK6 add 3 hours onto start and end times.

The Field Days have separate sections for single and multiple operator stations. The duration of the Field Day is 24 hours, but there are also 8-hour sections for operators who may not be able to camp overnight. Most club stations prefer to operate for the full 24 hours.

The Field Days also generate plenty of activity from home stations, so there is also a separate Home Station section.

All contacts must be simplex: contacts through repeaters or satellites are not allowed. There is plenty of FM activity, but one feature of the Field Days is a high level of SSB activity.

It is possible to do very well with only modest antennas if you pick a good hilltop. Another option, if your station is easily transportable, is to operate from more than one location during the contest period.



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NASA Names Three Hams for Artemis II Moon Mission



NASA and the Canadian Space Agency (CSA) announced the four astronauts who will venture around the moon on Artemis II. This will be the first crewed mission on NASA's path to establishing long-term moon science and exploration development.

The agencies revealed the crew members on Monday, April 3, 2023, during an event at Ellington Field near NASA's Johnson Space Center in Houston, Texas.

Three of the four crew members are amateur radio operators.

Their assignments are as follows: Commander Reid Wiseman, KF5LKT, Pilot Victor Glover, KI5BKC, Mission Specialist 1 Christina Hammock Koch, and Mission Specialist 2 Jeremy Hansen, KF5LKU.

Koch had planned to study and take her amateur license exam in 2019, but her flight was suddenly rescheduled 6 months earlier than originally planned. She had to immediately begin preparing for her flight instead of studying.

The Artemis II mission is scheduled to launch in November 2024. The approximately 10-day flight test will launch on the agency's powerful Space Launch System rocket, prove the Orion spacecraft's life-support systems, and validate the capabilities and techniques needed for humans to live and work in deep space.



DON'T FORGET

10:00AM EVERY THURSDAY MORNING

BARG COFFEE CLUB

ALL WELCOME



**Food Seduction on Doveton
524 Doveton Street North, Ballarat North**

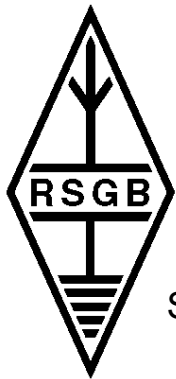
ALSO

FREQUENT FRIDAY NIGHT PUB DINNERS

**KEEP WATCH ON BARG CHATTER EMAIL
FOR THE NEXT OUTING**



Radio Security Service (RSS) Memorial Amateur Radio Society



The Radio Security Service (RSS) was established in September 1939, following an investigation and report by Lord Hankey, with the responsibility for detection of illicit wireless communications within the UK and surrounding sea. Initially under the control of MI8 of the War Office, and using physical facilities provided by the Post Office, RSS supplied the Security Service with details of intercepted communications.

In May of 1940 RSS was made responsible for interception of German overseas illicit transmissions, and by the end of 1940 for the global interception of enemy secret service communications. In January 1941 RSS passed to the control of the Secret Intelligence Service (SIS), and in August of that year it assumed responsibility for the overseas interception units, previously under MI8 control. As well as targeting known enemy radio-communications networks, RSS undertook systematic searches and analysis of the radio spectrum looking for illicit broadcasts, which could then be targeted. These searches utilised home-based volunteer interceptors, who reported their findings by post to RSS.



At RSS headquarters in Barnet, the Radio Intelligence Section of RSS undertook intelligence analysis in co-operation with the Government Code and Cypher School (GC&CS) and the SIS, which resulted in regular Radio Security Intelligence conferences. RSS also had responsibility for monitoring allied non-military communications, mainly within the UK. In 1946, RSS was taken over by Government Communications Headquarters (formerly GC&CS).

The RSSMARS: <https://rssmars.com/>



The RSS Memorial Amateur Radio Society is a virtual RSGB affiliated amateur radio club, callsign G15TKA. Membership is open to any licensed radio amateur, or to anyone with an interest in amateur radio.

The callsign, G15TKA, was chosen in memory of Arthur Irwin – G15TK. Arthur was a telegraphy instructor before the Second World War. At the outbreak of war, he became a voluntary interceptor and with a year was recruited full time to Gilnahirk Y Station. He continued to work in Gilnahirk up until it closed in 1978.



What are the secrets behind the photographs?

A Rare Insight Into A Radio Security Service Station

Contributor MI0WWB 31 May, 2021

I am indebted to David White G3ZPA for granting me permission to use the photographs and text below, which reveals the WW2 secret listening station run by the Radio Security Service from a bungalow in Colwyn Bay North Wales. The son of Edmund Vale who was the RSS regional officer for Wales spoke to David G3ZPA about it recently and provided some photographs.



The interceptors were volunteers although they were exempt from national service. The photographs show the equipment in the bungalow with the radios being seen quite clearly: left to right there is an Eddystone 358, and HRO senior, Two Hallicrafter S20 Sky Champions. The other photograph

shows the bungalow and its aerials and the third is believed to be some of the staff at the station. There were a total of 9 regional RSS officers around the country and the network they ran was believed to be looking for radio transmission from German agents based in Britain.

The photograph above is a record for posterity and it would have been nice to read what was written on the envelope in the tray / basket. Personnel dressed in civilian clothes could suggest Post Office, Military Intelligence or Diplomatic Wireless

Service. VIs were primarily recruited to listen for internal illicit transmissions, but quickly attention was turned to Nazi occupied Europe, which is where their attention remained and proved to be so valuable.



Our Society's Patron, George Busby, comments on the photograph on the left: "What caught my eye was a really good example of the spliced telegraph poles. Two / three poles brought together as one to get as much elevation as possible. This was the work of a small number of GPO special pole erection units. The work was specialised and dangerous. Remember that below the ground could be up to six feet of hidden wood. You can see such poles in the background of the wooden bungalow building at Gilnahirk. Such a photograph of those who worked in Northern Ireland would be wonderful to see."



"The lady would have been a secretary dealing with correspondence to HQ and the VI's. Captain, later Major Banham, the OC of Gilnahirk, had a secretary but she was based at the regional offices, Telephone House, the BBC and San Soussi off the Malone Road Belfast. Despite all efforts to identify this person she has remained a mystery woman."

Images such as those above, together with accurate descriptions are invaluable for keeping our radio heritage and history in the public eye. We would love to hear from you if you have images that would serve this purpose.

- [Home](#)
- [Activities](#)
- [History of the R.S.S.](#)
- [Arthur Irwin](#)
- [Contact us](#)
- [About us](#)
- [Blog index](#)
- [Link Page](#)

Radio Security Service Memorial ARS - GI5TKA

Address

14 Ardmore Grange, Ballygowan

*Newtownards, Down, BT23 5TZ, United Kingdom, mi0wwb@btinternet.com ©
2023*

100 Years Ago - Milestones

1923 An Australian designed and built high power broadcasting station commenced in Sydney against objections by the Wireless Institute which represented experimenters. The Fisk proposal was accepted, and "sealed set" broadcasting started on November 13, 1923 with 2SB (later to become 2BL). 2FC in Sydney followed on December 5, 1923.

Sydney and Brisbane are connected with a telephone trunk connection going live on October 9.

Broadcast Receiver - AWA,
Radiophone, 1923-1924

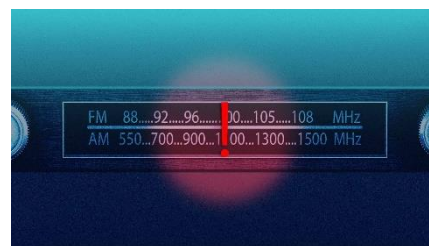


Congress Moves To Preserve AM Radio In Cars

A bipartisan group of lawmakers wants to make it illegal for carmakers to eliminate AM radio from their cars, arguing public safety is at risk, Axios is first to report.

Why it matters: AM radio is one key way that government officials communicate with the public during natural disasters and other emergencies.

Officials worry that if drivers don't have access, they might miss important safety alerts.



Context: Some manufacturers are eliminating AM radio from their electric vehicles (EVs) because of interference from the electric motors that results in annoying buzzing noises and faded signals.

They argue that car owners can still access AM radio content through digital streaming packages or smartphone apps (though such services sometimes require a subscription).

Yes, but: While AM might seem like a relic of the past, nearly 50 million people still listen to it, according to Nielsen figures provided by the National Association of Broadcasters.

The proposed legislation, to be introduced today by Sens. Ed Markey (D-Mass.), Ted Cruz (R-Texas) and others, would require all new vehicles to include AM radio at no additional charge.

EV makers that have already eliminated AM radio (BMW, Ford, Mazda, Polestar, Rivian, Tesla, Volkswagen, and Volvo) would be required to let consumers know.

What they're saying: "The importance of AM radio during large-scale emergencies cannot be underestimated, and it has, without a doubt and without interruption, saved lives and kept our communities informed," said Rep. Josh Gottheimer (D-N.J.), the lead sponsor in the House.



"When the cellphone runs out, the internet gets cut off, or the television doesn't work because of no electricity or power to your house, you can still turn on your AM radio."

The other side: There are more efficient ways to deliver AM content, says Rich Stern, CEO of TuneIn, a streaming radio service.

"I think as an industry, we have trouble decoupling the content of radio, and the vital relationship our listeners have with our content, from the nuts and bolts of distribution. AM Radio content will live on and thrive long after the last broadcast tower falls, or car radio is replaced with a modern infotainment system."

<https://www.axios.com/2023/05/17/am-radio-congress-cars>

Magazine Reviews

QST February 2023 Review

Review by Craig VK3KG

- P9 Second Century. Looks at why we Volunteer. Apply those thoughts to Amateur radio and encourage others you meet to be a volunteer in advancing our hobby. NA2AA is the ARRL CEO and compares the challenge to his daughter when she graduated from University, she was very narrowly focused on her chosen career to one cause which is the eradication of Breast cancer. Are we focused as much as that in furthering the goals of amateur radio and encouraging others also.
- P13 Member Spotlight: Bob Heil K9EID. A well-known name in audio and sound circles as a musical person and later developed his own company in 1966 while still touring as a muso. From this company that made organ equipment, sold amateur gear and servicing. After building his first equalizer box that now graces most serious brands of amateur radio and his design into microphones. Starting of as “Ye Olde Music Shop” the company is now better known around the world as “Heil Sound” and their range of mics and headsets are renowned. Bobs passion now is teaching other amateurs and he is still not slowing down yet.
- P24 Letters. Covering QSL cards from past days, Xmas and valve transmitters and a method to stop STATIC shocks using plastic mats and carpets as discussed in Sept 22 QST.
- P30 Multiband End fed Antenna with loading coil on a 35mm white plastic drainpipe section [83 turns and equally spaced at every ten turns. He describes his simple and easy to make L matching network as well. Further read at www.arrl.org/gst-in-depth and <https://G0kya.blogspot.com/2017/01/a-shortened-multi-band-end-fed-half.html> are listed to read.
- P34 RF Measurements using Homemade Equipment. While many shacks may have commercial operating equipment on their benches there is still a lot of ancillary test equipment that can be homebrewed and used in the shack without the need to own expensive commercial gear. Of course, if you work in the industry the opportunity arises to borrow the work box and bring it home. However, if you can build some gear why not? Ken WB3JOB talks about some of his ideas.
- P37 A 15Meter portable Oval Moxon Antenna. For background see QST May 2003 for “The Black Widow” Moxon by Allen KG4JJH. This design uses a 8 foot [3.78M] boom. And by turning the two elements back onto themselves with just a 150mm gap between their ends makes the two-



element beam less likely to foul adjacent trees and shrubs when taken into the field. Now here is a challenge for constructors and portable operators.

- P40 Review: Xiegu XPA125B 1.8 -50 MHz 100Watt Amplifier. With built in auto tuner and typical input required of 5W for 100 out on all bands except 6M which develops 80W, still quite respectful for this band once it opens. Having a visual display for operation it also displays its fault condition and will reset and clear when amp is unkeyed.



The report is very good on its assessment however the first test unit did not quite meet some of its own specs and those of the FCC which the lab always tests to. On request a second unit was tested and again some shortcomings noted, so a third was tested with similar results. Interesting to read the CONCLUSION report.

- P45 CW Hotline Radio solutions review. A kit form of 20 parts and pcb with box. Using an ESP8266 chip and on the WiFi, you can use two units to communicate with each other while you practice your CW. www.hamradio.solutions/cwhotline and www.hamradio.solutions/vband will assist your understanding. Kits are US\$50 and as a couple of members have been showing interest in practicing their CW again this may be a suitable project to construct and then talk to one another on the key. I didn't mention that the pcb is made to have a straight key mounted there and protrudes out the end of the plastic box. Facility is provided for straight and iambic keys. Linking key units by Wi-Fi would have been far easier than cw trainers in the past with wiring between all units when conducting classes for training.



- P48 Smart Antenna rotator controller by MicroHAM. Just a controller with screen and capable of quite a complex list of activities and comes with a price to match. US\$899 from www.dxengineering.com

- P51 Ask Dave: More about lightning protection and use of Polyphasers, Earthing Some interesting reading here today.

- P54 Benefits of leasing a Remote Station. www.remotehamradio.com

- P56 Low Power Desert Operations

- P58 Wild West Rove. A two-week vacation and amateur radio in between.

- P67 Notes from a Catastrophe: Hurricane Ian. Sept 28th, 2022

- P74 Club Station. Keeping members active through Creative club events.

- P76 Media Playlist. KM4ACK – Video's through an EmComm Lens.

See Jason KM4's website.



P78 How's DX.? Bouvet Island 2022. 3Y0J 2200 miles east of the Falkland and roughly 1,000 miles north of Antarctica. www.3y0j.no

P80 World above 50Mhz. Bob ZL1RS to North America on 29 Nov 2022. Using FT8 N9PGG, [FM08] N5DG and K5YT. Bob then worked Mexico and Ecuador



P88 Looking Back. QST March 1973. Feeds for Parabolic antenna. Tin can wave guide still good use.

P94 classic Radio. Restoring the SST-1-E Suitcase Transmitter. This was a spy set developed in 1942 and used by resistance agents in Europe and the China Burma conflict.

P96 100, 50 and 25 years ago.

And still those adverts at the back of this month's magazine are mouthwatering.

73 Craig VK3KG.

Silicon Chip May 2023 Review

P20 Australian International Airshow (Avalon) 2023. Review of the 2023 airshow, with insights into the current and future technology of modern flight.

P32 Dual RF Amplifier for Signal Generators. An amplifier to add to your RF sig gen and have individual gain control, with high output levels.

P43 UVM-30A Module, UV Light Sensor Review. A breakout module detecting UV light in the UV-B and UV-A range. Includes simple schematics and code to read the sensor and a quick explanation of UV radiation.



P48 Electronex 2023. Electronics Design and Assembly Expo, Melbourne. A review of what you will find this year in seminars, demonstrations and displays, 10th and 11th May.



P62 GPS-Disciplined Oscillator. A GPS referenced 10MHz oscillator, with few parts and many capabilities. Includes case design and programming directions.



P73 Wideband Fuel Mixture Display Part 2. The circuit and assembly instructions and the Processing and Android App to read the output.

P80 Songbird. A decades old design modernized and appealing to beginners and experienced alike. Description of using digital methods to produce a birdsong output using a single 74HC04, Hex Schmitt Inverter IC.



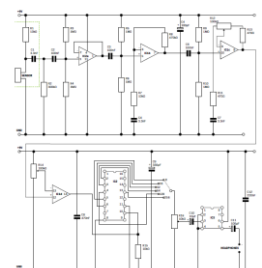
- P86 Circuit Notebook. An even more flexible Flexitimer, Jaycar TS1440 soldering station adaptor, Simple emergency light uses tool batteries, Multiprocessor stack and terminal switch using Pi Picos
- P90 Serviceman's Log. Learning when to pull the plug Yamaha home theatre amplifier, Gaming laptop repair, Bat Detector, Anti Barking dog collar, Solar lights controller.
- P100 Vintage Radio, Astor's first transistor radio APN. Astors first venture into transistor radios, a nice portable showing schematic and birds nest style of construction, pre-PCB.



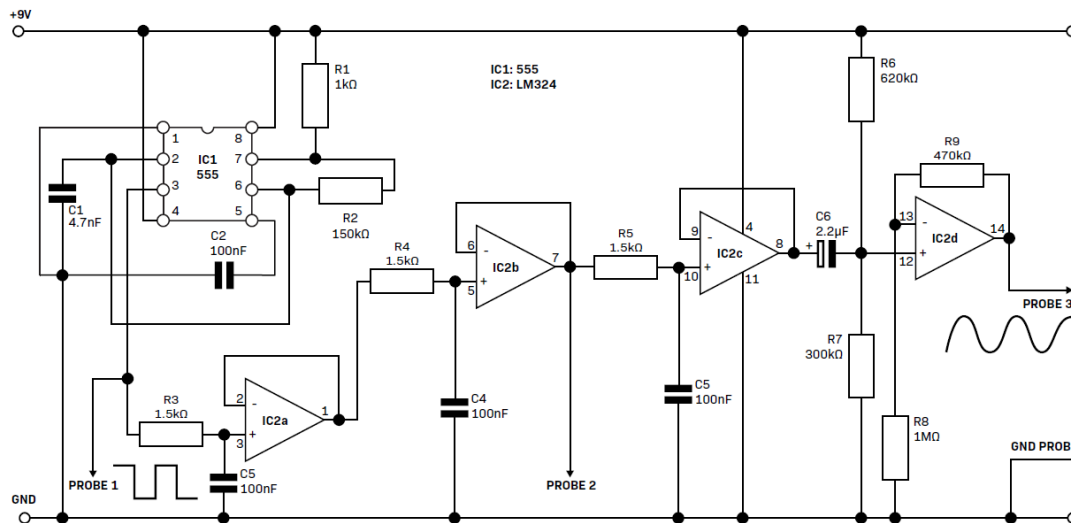
**Alessandro Volta was asked the question:
Why did the chicken cross the road?
He replied " The other side had more potential."**

DIYODE May 2023 Review

- P9 Arduino Coffee Grinder: Using an Arduino controller to obtain the optimum grind or your best coffee beans. Using an Arduino Micro, digital display and selectable grind times, you can customise your coffee experience.
- P18 Infinite Deck: A DIY touchscreen using ESP32, 3.5" display and SD card to make a platform to control your desktop apps.
- P23 Electronic Load, Part 1: Construction details, theory and how to use a digitally controlled load for use in battery checks, solar panel output measurement for MPPT controllers. With Wi-Fi so you can remotely monitor and control the loads performance.
- P31 Ultrasonic Microphone: Part 2. Continuing on with the project and building the frequency divider, filters and amplifiers. With step-by-step construction instructions for vero and some experiments to conduct.
- P48 The Classroom: Using the LM741, a short primer for this long-standing Op-Amp, building different types of amplifiers and how they work.
- P56 Pimp My 3D Printer: Give your 3D printer a new look, add some bling with some LEDs and an enclosure for your display and controls.
- P63 Home Theatre PC: Upcycling a Laptop into a HTPC, physically transforming an old laptop into a piece of home entertainment.
- P84 Secret Code, Visuino: Introduction to a visual method of Arduino programming. Some simple projects to try and how to use blocks to simplify the code.



P93 Kids' Basics: Function Generator, using a LM555 and LM324 to make a simple generator for basic experiments.



THIS IS A SPACE THAT YOUR ARTICLE OR PHOTOGRAPH COULD BE...
THE EDITOR DOES NOT LIKE BLANK PAGES...

(The editor has lots and lots of Grandad Jokes that can be used to fill the blank spaces. Be warned!)



Back Copies of BARG inc. Newsletters

There are available on the BARG website scanned copies of old BARG Newsletters.
<https://www.barg.org.au/>

Colin VK3NCC with the copies supplied by Craig VK3KG has been scanning them and adding to the collection on the website.

Great job.....



So technically Moses was the first man to download files from the cloud using a tablet.



NEWSLETTER ARTICLES - NEWS REQUIRED

To keep the quality and variety in this newsletter!
(Newsletter Editor sanity to be preserved as well)



(A Henry Moritz, VK3DXC SK, creation)

- If you have a project, antenna, vehicle installation, some club or amateur radio history or somewhere you have operated amateur radio.
- Have you bought a bit of gear or accessory that you have used and think it would be interesting for others to know about.
- If you go bush to operate.
- Tell us about it!!!!!!!
- Some pictures and a simple bit of text telling us about your endeavours is all we need.
- If you don't think your journalistic talents are lacking, like most of us, then apply pen to paper and in point form write what you want to say.

Some massaging from the editor will make your article shine.

No matter how small or large, contributions gratefully accepted. tomvk3dmk@gmail.com